

LUNCHEON

GUESTS ENTER
HERE

DOOR TRACKS FUNCTIONED

LAB
TEL

TICKETS

FOR DOOR POCKET DETAILS
SEE AD. 2412, 2415

STATIC DISPLAYS
THIS SIDE

COAT + HAT BACK

RM. 120

MENS
RM. 119

WASH RM

RM. 118

MENS
CHANGE SIGN
R.M. 116

WASH RM

RM 115
DRAIN

FAIRYTALE
34-6 EL...

SINK

GAS BURNER

R.M. 119

- TELEPHONE

42 TABLES 420 SEATS

AMERICAN FLAG HANGING
FROM TRUSS

STRIPES VERTICAL
BLUE FIELD THIS
UPPER CORNER ✓

SCREENS

KITCHEN

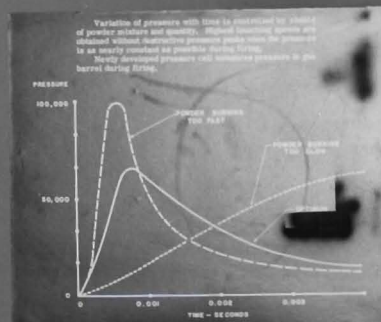
LADIES REST ROOM
ACROSS HANGAR RM 121

RM. 106

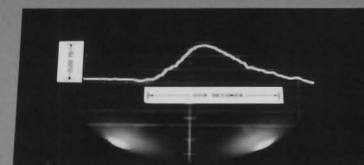
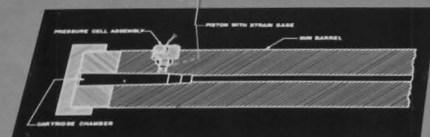




GUN PRESSURES MEASURED AND CONTROLLED

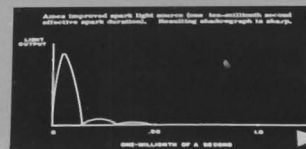
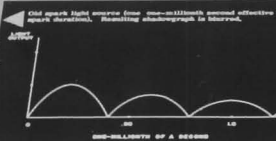
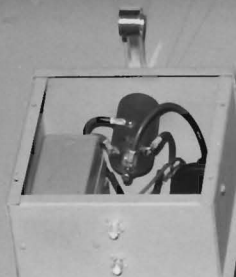
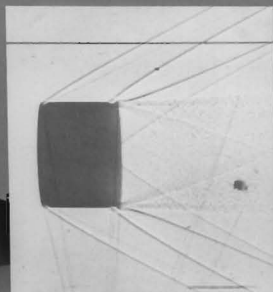


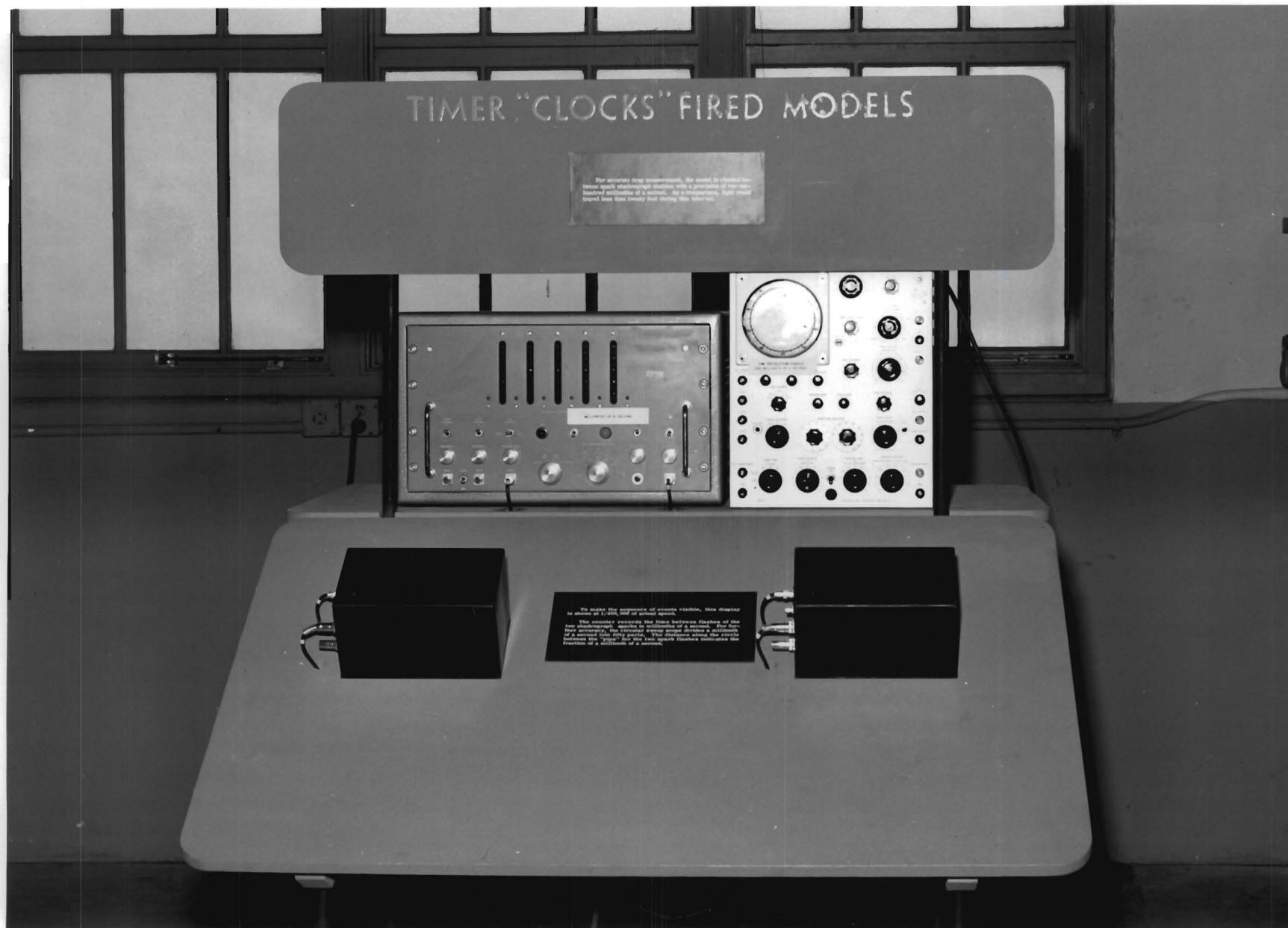
AMES BALLISTIC PRESSURE CELL
 - pressure range 0 to 100,000 p.s.i.
 - pressure response to 100,000 p.s.i. in 1/1000 sec.
 - the output is proportional to pressure
 - output signal is shown on the oscilloscope
 - shown at right.



PHOTOGRAPHY "STOPS" MODELS IN FLIGHT

Ultra high speed shadowgraphs show:
Air flow around model
Position of model for determination of
aerodynamic data

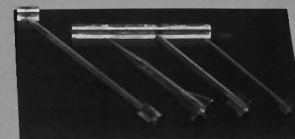
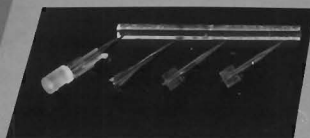
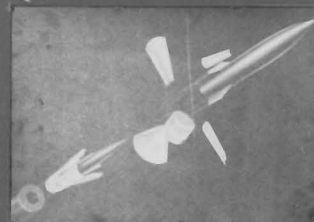




GUN-FIRED MODELS



Above: Ordnance cartridge.
Below: Model ready for firing.
Sabot serves as piston
and guide for model in
gun barrel.



Construction of model and sabot is critical.

- Model must be strong, yet light. Force during firing may reach 500,000 times model weight.
- Model must be machined accurately to specified aerodynamic shape.
- Sabot must be machined accurately to separate without disturbing model.

